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PATENT APPLICATION
Attorney Docket No. 28110/35908A

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

P#3

Applicant(s): Ford et al.

CERTIFICATE OF MAILING

Serial No.: 10/092,063

) I hereby certify that this paper and the
documents referred to as enclosed therewith
are being deposited with the United States
Postal Service as first class mail, postage
prepaid, on **June 18, 2002** in an envelope
addressed to Commissioner for Patents,
Washington, D.C. 20231.

Title: "Method and Materials Relating to
Novel CD39-Like Polypeptides"

Filed: March 5, 2002

Group Art Unit: 1644

Examiner: To be determined.

)

Matthew C. Nielsen
Attorney for Applicants
Registration No.: 51,106

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INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Washington, D.C. 20231

Sir:

In compliance with 37 C.F.R. § 1.97 and the continuing duty of disclosure under 37 C.F.R. § 1.56, the attached Form PTO-1449 is hereby submitted by Applicants for consideration in connection with the above-identified patent application. Pursuant to 37 C.F.R. § 1.98(d), copies of all documents cited herein are not enclosed because they were previously submitted to the Patent Office in prior applications (U.S. Application Serial Nos. 09/350,836, filed July 9, 1999, issued as U.S. Patent No. 6,387,645 (copy enclosed), and 09/370,265, filed August 9, 1999) which are identified in the attached Form PTO-1449 and are relied on for an earlier effective filing date under 35 U.S.C. § 120. The information disclosure statements submitted in these earlier applications comply with 37 C.F.R. § 1.98(a)-(c). Copies of any listed documents will be resubmitted at the Examiner's request.

Also enclosed are copies of the International Search Reports in two counterpart applications, International Application Number PCT/US99/16180, filed July 16, 1999 (Document C131), and International Application Number PCT/US00/21790, filed August 9, 2000 (Document C132).

Documents C16 (Chadwick), C17 (Chadwick), C61 (Maliszewski *et al.*) and C80 (Rowe *et al.*) relate to similar DNAs.

This Information Disclosure Statement is not intended to be an admission that other relevant art does not exist, or that any of the information disclosed herein constitutes prior art under 35 U.S.C. § 102 or § 103.

Because this Information Disclosure Statement is being submitted before the mailing of a first Office Action on the merits under 37 C.F.R. § 1.97(b)(3), no fees are thought to be due. However, should any fees be deemed due, please charge any such fees to Marshall, Gerstein & Borun's Deposit Account No. 13-2855.

Respectfully submitted,

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Matthew C. Nielsen
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June 18, 2002

U.S. Patent and Trademark Office

INFORMATION DISCLOSURE STATEMENT
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Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. 28110/35908A	Serial No. 10/092,063
		Applicant Ford et al.	
		Filing Date March 5, 2002	Group Art Unit 1644

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U.S. PATENT DOCUMENTS							
*EXAMINER INITIALS		DOCUMENT NUMBER	ISSUE DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A1	4,683,195	07/28/87	Mullis <i>et al.</i>	435	6	
	A2	4,946,778	08/07/90	Ladner <i>et al.</i>	435	69.6	
	A3	4,965,188	10/23/90	Mullis <i>et al.</i>	435	6	
	A4	5,202,231	04/13/93	Drmanac <i>et al.</i>	435	6	
	A5	5,525,464	06/11/96	Drmanac <i>et al.</i>	435	6	
	A6	4,235,871	11/25/80	Papahadjopoulos <i>et al.</i>	424	19	
	A7	4,501,728	02/26/85	Geho <i>et al.</i>	424	38	
	A8	4,737,323	04/12/88	Martin <i>et al.</i>	264	4.3	
	A9	4,837,028	06/06/89	Allen	424	450	
	A10	4,959,314	09/25/90	Mark <i>et al.</i>	435	69.1	
	A11	09/240,639		Chadwick <i>et al.</i>			01/29/99
	A12	09/350,836, and 6,387,645	05/14/02	Ford <i>et al.</i>			07/09/99
	A13	09/370,265		Ford <i>et al.</i>			08/09/99

FOREIGN PATENT DOCUMENTS							
*Examiner Initials		Document Number	Publication Date	Country	Class	Subclass	Translation Yes No
	B1	WO 90/03382	04/05/90	WO			
	B2	WO 90/14148	11/29/90	WO			<i>RECEIVED</i>
	B3	WO 91/09955	07/11/91	WO			<i>JUN 27 2001</i>
	B4	WO 92/20808	11/26/92	WO			<i>TECH CENTER 6012009</i>
	B5	WO 94/12650	06/09/94	WO			
	B6	WO 95/09248	04/06/95	WO			

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	B7	WO 96/30532	10/03/96	WO					JUN 27 2002
	B8	WO 96/32471	10/17/96	WO					
	B9	2148851	10/11/96	CA					TECH CENTER 1600/2000

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

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C1	Adelman, J. P. <i>et al.</i> , "In Vitro Deletional Mutagenesis for Bacterial Production of the 20,000-Dalton Form of Human Pituitary Growth Hormone," <i>DNA</i> , 2(3):183-193 (1983).
C2	Altschul, S.F. <i>et al.</i> , "Basic Local Alignment Search Tool," <i>J. Mol. Biol.</i> , 215:403-410 (1990).
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C5	Asseline, U. <i>et al.</i> , "Nucleic Acid-Binding Molecules with High Affinity and Base Sequence Specificity: Intercalating Agents Covalently Linked to Oligodeoxynucleotides," <i>Proc. Natl. Acad. Sci., USA</i> , 81:3297-3301 (1984).
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C7	Beal, P.A. <i>et al.</i> , "Second Structural Motif for Recognition of DNA by Oligonucleotide-Directed Triple-Helix Formation," <i>Science</i> , 251:1360-1363 (1991).
C8	Bonaldo, M. <i>et al.</i> , "Normalization and Subtraction: Two Approaches to Facilitate Gene Discovery," <i>Genome Res.</i> , 6:791-806 (1996).
C9	Boorstein <i>et al.</i> , "Primer Extension Analysis of RNA," <i>Methods Enzymol.</i> , 180:347-369 (1989).
C10	Breslauer, K.J. <i>et al.</i> , "Predicting DNA Duplex Stability from the Base Sequence," <i>Proc. Natl. Acad. Sci., USA</i> , 83: 3746-3750 (1986).
C11	Broude, N.E. <i>et al.</i> , "Enhanced DNA Sequencing by Hybridization," <i>Proc. Natl. Acad. Sci., USA</i> , 91: 3072-3076 (1994).
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INFORMATION DISCLOSURE STATEMENT <i>(Use several sheets if necessary)</i>		JUN 25 2002 U.S. PATENT & TRADEMARK OFFICE		Applicant Ford et al.	
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	C14	Cate, R.L. <i>et al.</i> "Genomic Southern Analysis with Alkaline-Phosphatase-Conjugated Oligonucleotide Probes and the Chemiluminescent Substrate AMPPD," <i>Genet. Anal. Tech. Appl.</i> , 8(3):102-106 (1991).
	C15	Chadwick, B. P. <i>et al.</i> , "Cloning and Mapping of a Human and Mouse Gene with Homology to Ecto-ATPase Genes," <i>Mammalian Genome</i> , 8:668-672 (1997).
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	C26	Drmanac, R. <i>et al.</i> , "A calculation of fragment lengths from human DNA with 78 restriction enzymes: an aid for cloning and mapping," <i>Nucleic Acids Research</i> , 14(11):4691-4692 (1986).
	C27	Drmanac, R. <i>et al.</i> , "Sequencing of Megabase Plus DNA by Hybridization: Theory of the Method, <i>Genomics</i> , 4:114-128 (1989).

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	C28	Drmanac, R. <i>et al.</i> , "Reliable Hybridization of Oligonucleotides as Short as Six Nucleotides," <i>DNA Cell Biol.</i> , 9:527-534 (1990).
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	C36	Engval, E. <i>et al.</i> , "Enzyme-Linked Immunosorbent Assay, ELISA III. Quantitation of Specific Antibodies by Enzyme-Labeled Anti-Immunoglobulin in Antigen-Coated Tubes," <i>Immunol.</i> , 109:129-135 (1972).
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	C38	Friedmann, T., "Progress Toward Human Gene Therapy," <i>Science</i> , 244:1275-1281 (1989).
	C39	Gayle III, R.B. <i>et al.</i> , "Inhibition of Platelet Function by Recombinant Soluble Ecto-ADPase/CD39," <i>J. Clinical Investigation</i> , 101(9):1851-1859 (1998).
	C40	Gluzman, Y., "SV40-Transformed Simian Cells Support the Replication of Early SV40 Mutants," <i>Cell</i> , 23:175-182 (1981).
	C41	Goding, J.W., "Conjugation of Antibodies with Fluorochromes: Modifications to the Standard Methods," <i>J. Immunol. Meth.</i> , 13: 215-226 (1976).

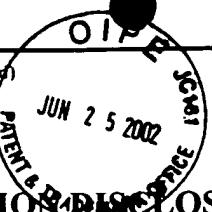
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RECEIVED JUN 27 2002 TECH CENTER 1600/2900	C42	Gouttefangeas, C. <i>et al.</i> , "The CD39 Molecule Defines Distinct Cytotoxic Subsets within Alloactivated Human CD8-Positive Cells," <i>Eur. J. Immunol.</i> , 22:2681-2685 (1992).
	C43	Hillenkamp, F. <i>et al.</i> , "Matrix Assisted UV-Laser Desorption/Ionization: A New Approach to Mass Spectrometry of Large Biomolecules," in: <i>Biological Mass Spectrometry</i> , Burlingame et al., (eds.), Elsvier Science Pub., Amsterdam, p. 49-60 (1990).
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	C46	Huth-Fehre, T. <i>et al.</i> , "Matrix Assisted Laser Desorption Mass Spectrometry of Oligodeoxythymidyllic Acids," <i>Rapid Comm. Mass Spect.</i> , 6:209-213 (1992).
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	C49	Kaczmarek, E. <i>et al.</i> , "Identification and Characterization of CD39/Vascular ATP Diphosphohydrolase," <i>J. Biol. Chem.</i> , 271:33116-33122 (1996).
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	C52	Kirley, T.L., "Complementary DNA Cloning and Sequencing of the Chicken Muscle Ecto-ATPase," <i>J. Biol. Chem.</i> , 272:1076-1081 (1997).
	C53	Kohler, G. <i>et al.</i> , "Continuous Cultures of Fused Cells Secreting Antibody of Predefined Specificity," <i>Nature</i> , 256:495-497 (1975).
	C54	Kozbor, D. <i>et al.</i> , "The Production of Monoclonal Antibodies from Human Lymphocytes," <i>Immunology Today</i> , 4:72-79 (1983).
	C55	Lamture, J., "Direct Detection of Nucleic Acid Hybridization on the Surface of a Charge Coupled Device," <i>Nucleic Acids Research</i> , 22:2121-2125 (1994).

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RECEIVED PTO-1449	C56	Landegren, U. <i>et al.</i> , "A Ligase-Mediated Gene Detection Technique," <i>Science</i> , 241:1077-1080 (1988).
	C57	Lee, J.S. <i>et al.</i> , "Complexes formed by (pyrimidine) _n (purine) _n DNAs on lowering the pH are three-stranded," <i>Nucl. Acids Res.</i> , 6:3073-3091 (1979).
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	C63	Miller, A.D., "Human Gene Therapy Comes of Age," <i>Nature</i> , 357:455-460 (1992).
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	C67	Nagata, Y. <i>et al.</i> , "Quantification of Picogram Levels of Specific DNA Immobilized in Microtiter Wells," <i>FEBS Lett (NETHERLANDS)</i> , 183:379-382 (1985).
	C68	Neumann, P.E. <i>et al.</i> , "Mapping of Two Genes that Influence Susceptibility to Audiogenic Seizures in Crosses of C57BL/6J and DBA/2J Mice," <i>Behavior Genetics</i> , 20:307-323 (1990).
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	C72	Ottman, R. <i>et al.</i> , "Localization of a Gene for Partial Epilepsy to Chromosome 10q," <i>Nature Genet.</i> , 10:56-60 (1995).
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